ELECTRONIC TORSION TESTING MACHINES

OPTIONAL ACCURACY CLASS:
CLASS 0.5

VIDEO

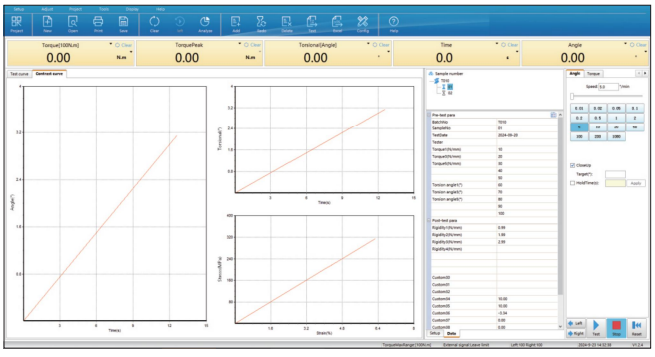


UTM-TT5
Type A



UTM-TT500
Type B

computer and software (included)



- Suitable for torsion testing of metallic and non-metallic materials, composite materials and components
- Servomotor drive for constant torsion speed
- Cycloid reducer drive for high efficiency and smoothness of transmission
- Electrical control system for high stability, smooth and reliable operation, fast response and low noise
- High-precision linear guide for the coaxiality and parallelism of the equipment
- Automatic torque and torsion angle tracking measurement, load rate indication, peak hold, etc.
- Efficient and professional control software
- Powerful data and curve analysis

SPECIFICATION

Code	UTM-TT2	UTM-TT5	UTM-TT10	UTM-TT30	UTM-TT50
Max. test torque	2N.m	5N.m	10N.m	30N.m	50N.m
Type	A				
Accuracy class	class 1				
Accuracy of test torque	±1% of indicated value				
Range of test torque	2%~100%FS				
Min. resolution of test torque	0.0001N.m	0.0001N.m	0.001N.m	0.001N.m	0.001N.m
Accuracy of torsion angle	±1% of indicated value				
Range of torsion angle	0~9999°				
Resolution of torsion angle	0.01°				
Rated speed of torsion angle	2160°/min				
Accuracy of torsion angle speed	±1% of the set value				
Accuracy of constant load torque	±1% of the set value				
Direction of torsion test	clockwise and count-clockwise operation				
Height of spindle center *	108mm				
Max. distance between collets *	300mm				
Dimension (L×W×H) *	1100×330×450mm				
Weight *	130kg				
Power supply	AC 220V, 50Hz				

Code	UTM-TT200	UTM-TT500	UTM-TT1000	UTM-TT3000	UTM-TT5000
Max. test torque	200N.m	500N.m	1000N.m	3000N.m	5000N.m
Type	B				
Accuracy class	class 1				
Accuracy of test torque	±1% of indicated value				
Range of test torque	2%~100%FS				
Min. resolution of test torque	0.01N.m	0.01N.m	0.1N.m	0.1N.m	0.1N.m
Accuracy of torsion angle	±1% of indicated value				
Range of torsion angle	0~9999°				
Resolution of torsion angle	0.01°				
Rated speed of torsion angle	1080°/min				
Accuracy of torsion angle speed	±1% of the set value				
Accuracy of constant load torque	±1% of the set value				
Direction of torsion test	clockwise and count-clockwise operation				
Height of spindle center *	146mm			203mm	
Max. distance between collets *	500mm				
Dimension (L×W×H) *	1620×400×1020mm			2350×740×1390mm	
Weight *	260kg			680kg	
Power supply	AC 220V, 50Hz, 0.4kW~1kW			AC 380V, 3Ø, 50Hz, 2kW~4kW	

*Can be customized according to test requirements

STANDARD DELIVERY

Main unit	1 pc
Measuring software	1 set
Computer	1 pc
Printer	1 pc
Security cover	1 pc

OPTIONAL ACCESSORY

Torsion fixture	customized according to test requirements